

Listing of claims

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An ampoule for an injection or infusion apparatus, said ampoule comprising a dispensing end and a distal end relative to the dispensing end, said distal end comprising a surface perpendicular to a central longitudinal axis extending between said dispensing end and said distal end, said surface comprising a set of at least two recognition elements, said set of said at least two recognition elements arranged in one of at least two predetermined configurations on said surface of said ampoule, said at least two predetermined configurations being different from each other, wherein each predetermined configuration comprises a number of available positions for the recognition elements, each of said number of positions being at an angular distance from another position, wherein the angular distance between any two positions is different than the angular distance between any other two positions, said positions being asymmetrical relative to the ampoule.
2. (Canceled)
3. (Previously Presented) The ampoule as set forth in claim 1, wherein said at least two predetermined configurations and recognition elements are arranged on a circle concentric with respect to the axis.
4. (Previously Presented) The ampoule as set forth in claim 1, wherein a plurality of predetermined configurations are provided in which the at least two recognition elements can be arranged.
5. (Original) The ampoule as set forth in claim 1, wherein a plurality of recognition elements are provided.
6. (Original) The ampoule as set forth in claim 1, wherein at least one of the at least two recognition elements is arranged at a particular predetermined position.

7. (Previously Presented) The ampoule as set forth in claim 1, further comprising at least one reference recognition element on said ampoule.

8. (Original) The ampoule as set forth in claim 7, wherein a plurality of reference recognition elements are provided.

9. (Previously Presented) The ampoule as set forth in claim 7, wherein said at least one reference recognition element is provided along a circle concentric with respect to the axis.

10. (Previously Presented) The ampoule as set forth in claim 1, wherein the at least two recognition elements are based on at least one principle of a group consisting of electrical, magnetic, inductive, capacitive and mechanical principles.

11. (Original) The ampoule as set forth in claim 10, wherein the at least two recognition elements are at least one of a group consisting of magnets, conductive structures, optical structures and surface structures.

12. (Previously Presented) An ampoule for an injection or infusion apparatus, said ampoule comprising a set of at least two recognition elements, said set of at least two recognition elements arranged in one of at least two predetermined configurations on said ampoule, each of said at least two predetermined configurations different from each other, wherein each predetermined configuration comprises a number of available positions for the recognition elements, each of said number of positions at an angular distance from another position, wherein the angular distance between any two positions is different than the angular distance between any other two positions, and wherein said positions are asymmetrical relative to the ampoule and wherein the set of at least two recognition elements generate one of electrical and magnetic fields of different strengths.

13. (Previously Presented) The ampoule as set forth in claim 1, wherein the recognition elements may be written on said surface of said ampoule.

14-25. (Canceled)

26. (Previously Presented) An ampoule for use with an administering device such as an injection or infusion apparatus, a set of at least two recognition elements associated with the ampoule, said set of said at least two recognition elements arranged in one of at least two predetermined configurations relative to the ampoule, said at least two configurations situated on a surface of said ampoule perpendicular to a central longitudinal axis of said ampoule, and each of said at least two predetermined configurations are different from each other, wherein each predetermined configuration comprise a number of available positions for the recognition elements, each of said number of available positions at an angular distance from another position, wherein the angular distance between any two positions is different than the angular distance between any other two positions, said positions asymmetrically located relative to the ampoule.

27-28. (Canceled)

29. (Previously Presented) An administering device such as an injection or infusion apparatus and an ampoule for use with the administering device, wherein the ampoule comprises a set of at least three associated recognition elements, said set of at least three recognition elements can be arranged on a surface of the ampoule perpendicular to a central longitudinal axis of said ampoule in one of at least two predetermined configurations arranged on a ring concentric with respect to the axis, wherein the at least two predetermined configurations have differing configurations relative to each other and are asymmetrically located relative to the ampoule, and wherein each predetermined configuration comprises a number of available positions for said recognition elements, each position having an angular distance from another position, and each angular distance between any two positions being different from the angular distance between any other two positions.

30-31. (Canceled)

32. (Previously Presented) The ampoule as set forth in claim 3, further comprising at least one reference recognition element, said at least one reference recognition element situated in a circle concentric with said axis, said circle having a larger circumference than said circle associated with said recognition elements.

33. (Previously Presented) The ampoule as set forth in claim 3, further comprising at least one reference recognition element, said at least one reference recognition element situated in a circle concentric with said axis, said circle having a smaller circumference than said circle associated with said recognition elements.

34. (Previously Presented) The ampoule as set forth in claim 8, wherein said plurality of reference recognition elements are provided at roughly the same angular distance.

35. (Previously Presented) An ampoule for an injection or infusion apparatus, said ampoule comprising a threaded surface parallel to a central longitudinal axis extending between a dispensing end and a distal end of said ampoule, said threaded surface providing a predetermined orientation of said ampoule when said threaded surface is engaged with an administering device, said distal end comprising a surface perpendicular to the axis, said surface comprising a set of at least two recognition elements, said set of at least two recognition elements arranged on a ring of said ampoule concentric relative to said axis in one of at least two predetermined configurations on said surface of said ampoule, each of said at least two predetermined configurations being different from each other, wherein each predetermined configuration comprises a number of available positions for said recognition elements, each of said number of positions being at an angular distance from another position, wherein the angular distance between any two positions is different than the angular distance between any other two, said positions being asymmetrical relative to the ampoule.